

AMENDMENTS

IN THE SPECIFICATION:

Please replace the paragraph on page 3, lines 5-9 with the following paragraph:

--The optimum case, the overall transfer function of the receiver path up to where the signal is ~~diskretized~~ discretized by a comparator 36 forms the inverse transfer function of the cable of a frequency in amount and phase. As a result, the signal present at input, ~~31, 32~~ 30, 31 is essentially completely equalized and can be supplied to a data recovery circuit.--

Please replace the paragraph on page 3, lines 10-18 with the following paragraph:

--To adjust the signal amplitude, the signal is weighted according to the amplitude with the aid of a peak detector or amplitude detector ~~38~~ 39 and level detector ~~39~~ 38 following the equalizing low-pass filter 35, the gain of the amplifier 32 is adjusted in accordance with the amount of the amplitude. Depending on the gain set, the cable approximation filter 34 is matched to the cable transfer function in discrete steps. For this purpose, an equalizer control unit 37 which is connected to the amplifier 32, the cable approximation filter 34, the comparator 36 and the level detector 38 determines the coefficients of the cable approximation in order to duplicate the inverse of the cable transfer function as accurately as possible.--

Please replace the paragraph on page 3, lines 19-22 with the following paragraph:

--A disadvantage of this analog implementation is, in particular, that the set pole and null positions of the noise and crosstalk filter [[2]] used and of the cable approximation filter [[3]] are influenced by parasitic pole and null positions as a result of which the ideal adaptation function of the receiver is correspondingly corrupted.—

Please replace the paragraph on page 5, lines 3-6 with the following paragraph:

--The invention provides further advantages by means of ~~the possibility of a~~ simpler implementation of an anti-aliasing filter by means of the oversampling of an analog/digital converter and the possibility of subsequent matching of the circuit to all the characteristics of the transmission channel.--